

Title (en)

Electronic device having ferroelectric memory.

Title (de)

Elektronische Anordnung mit einem ferroelektrischen Speicher.

Title (fr)

Dispositif électronique ayant une mémoire ferroélectrique.

Publication

**EP 0620555 A3 19970305 (EN)**

Application

**EP 94105711 A 19940413**

Priority

JP 8644193 A 19930413

Abstract (en)

[origin: EP0620555A2] An electronic device maintains data utilizing a ferroelectric memory, not requiring a backup power source voltage. Data such as schedule data and telephone number data is stored in a ferroelectric RAM (16) which switches between a dynamic mode and a nonvolatile mode. When a clock mode is designated by a "CLK" key (12a), a memory control circuit (17) causes the ferroelectric RAM (16) to be switched to the nonvolatile mode to maintain the data stored therein. When a schedule mode or a telephone mode is designated by means of a "Sch" key (12b) or a "Tel" key (12c), the ferroelectric RAM (16) is switched to the nonvolatile mode to write/read data therein/therefrom. When it is detected that a battery voltage is lowered or the battery is removed from the electronic device, the ferroelectric RAM (16) is switched to the nonvolatile mode to protect the stored data. <IMAGE>

IPC 1-7

**G11C 11/22**

IPC 8 full level

**G11C 5/00** (2006.01); **G11C 11/22** (2006.01); **G11C 11/405** (2006.01); **G11C 14/00** (2006.01)

CPC (source: EP KR US)

**G11C 5/00** (2013.01 - EP US); **G11C 7/1045** (2013.01 - EP US); **G11C 11/22** (2013.01 - EP KR US); **G11C 14/00** (2013.01 - EP US)

Citation (search report)

- [A] EP 0530928 A2 19930310 - RAMTRON CORP [US]
- [A] DE 4119248 A1 19920102 - SEIKO INSTR INC [JP]
- [A] "HP100LX USER'S GUIDE", March 1993, HEWLETT-PACKARD CO., CORVALLIS,USA, XP002021386

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EP3316383A4; US11139511B2

Designated contracting state (EPC)

DE FR GB NL

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**EP 0620555 A2 19941019**; **EP 0620555 A3 19970305**; **EP 0620555 B1 20000726**; CN 1037633 C 19980304; CN 1109186 A 19950927; DE 69425341 D1 20000831; DE 69425341 T2 20001207; HK 1013518 A1 19990827; JP H06302179 A 19941028; KR 0151223 B1 19981201; KR 940024596 A 19941118; TW 251358 B 19950711; US 5850231 A 19981215

DOCDB simple family (application)

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